



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111145

Mode: Highway

Status: Submitted

SR-1415

From/Cross Street: 700 Feet South of Beamer/Billy Reynolds Rd

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 421/Beamer Rd interchange

Project Category: Division Needs

Length: 0.35

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$12,736,000

Description:

A New interchange Is Needed on US 421 South of Billy Reynolds Rd (SR 1134) and Beamer Rd (SR 1415) intersectin to Provide

A Nalternate Access Point on US 421. This interchange in Conjunction with Proposed Connector from Is Needed to Relieve Traffic from US 601/US 421 Area.

Division(s): Division 11

County(s): YADKIN

MPOS(s)/RPO(s): Northwest Piedmont RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 45.86

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 37.00 Safety (10%) 87.81 [Travel Time] Benefit/Cost (20%) 23.40 Totals: Weight: 50% Weighted Score: 20.86	Percent: 25% Points: 0	Percent: 25% Points: 100

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles);	2.7
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	13393.32
Capacity:	25398.21
Volume/Capacity Ratio:	0.53
% Autos:	95%
% Trucks:	5%
Truck Volume:	701.33
Crash Density:	98.45
Crash Severity:	66.57
Critical Crash Rate:	98.45
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	78
Actual Congested Speed:	30.89
Travel Time Index:	1.13

Project Benefits

Project Cross-Section:	2A - 2 Lane Undivided with Paved Shoulders, 55 mph
Speed Limit:	55
Length (miles):	0.35
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	13256715.47
Travel Time Savings for 30 Years (Autos):	12562542.78
Travel Time Savings for 30 Years (Trucks):	694172.69
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Northwest Piedmont RPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$12,654,000	TIP Unit
Right-of-Way Cost:	\$73,000	Cost Estimation Tool
Utilities Cost:	\$9,000	Cost Estimation Tool
Total Project Cost:	\$12,736,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$12,736,000	